Focus Occupation: **Computer and Information Scientists, Research (15-1011)**

Focus occupation: Computer and Information Scientists, Research	
Employment and Growth	97/ 14.1%
Ave. Monthly Wage	n/a
Education/Experience	Doctoral or professional degree

Advance FROM Focus Occupation

Occupation	Rung	Employment/Growth	Education/Experience	Similarity
Computer and Information Systems Managers (11-3021)	1	644/ 11.0%	BA/5 plus yrs	83

Advance TO Focus Occupation

Occupation	Rung	Employment/Growth	Education/Experience	Similarity
Computer Software Engineers, Systems Software (15-1032)	-1	238/ 15.0%	BA	89
Computer Software Engineers, Applications (15-1031)	-2	301/ 17.1%	BA	97
Computer Science Teachers, Postsecondary (25-1021)	-3	131/ 12.0%	PHD	93
Computer Programmers (15-1021)	-4	786/ 7.5%	BA	93
Computer Specialists, All Other (15-1099)	-4	324/ 12.1%	BA/1-5 yrs	86
Computer Systems Analysts (15-1051)	-4	n/a	BA	99
Database Administrators (15-1061)	-4	189/ 11.2%	BA/1-5 yrs	96
Statisticians (15-2041)	-4	165/ 3.1%	MA	73
Network and Computer Systems Administrators (15-1071)	-5	n/a	BA	81

Important note: A worker does not necessarily have to traverse every rung to advance to or from the focus occupation. Occupations above and below the focus occupation are directly related to the focus occupation, but they are not necessarily directly related to each other. For example, actors and athletes are both related to agents of artists, performers, and athletes, but actors and athletes are not directly related to each other.

Analysis and development of the career lattice is by the Alaska Department of Labor and Workforce Development, Research and Analysis Section.

Data sources used for research and analysis: O*NET (Occupation Information Network), Alaska Occupational Data Base (ODB), Standard Occupational Classification Manual, North American Industry Classification System manual, Bureau of Labor Statistics Occupational Employer Survey (OES) wage estimates.